

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP COMMITTEE  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number:	14-412
Possible Funding Partners:	

**PROJECT INFORMATION**

**Project Title:** 967 Water Redevelopment

**Region and Game Management Unit:** Region 4, GMU 43B

<b>Local Habitat Partnership Committee (LHPC):</b> <ul style="list-style-type: none"> <li>• Southwest HPC</li> </ul>	<b>Was the project presented to the LHPC?</b> <b>YES[ ] NO[X]</b>
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**Has this project been submitted in previous years?** YES[ ] NO[X]  
**If Yes, was it funded?** YES[ ] NO[ ] → **HCP Project #:**

**Project Type:** Water Redevelopment

**Brief Project Summary:** The existing water development has developed a leak at the 21" water level. In addition, the metal collecting apron has a leak above the ring tank reducing water collection ability. A new PVC system needs to be installed to restore reliable water to local wildlife. Wildlife friendly, livestock enclosure fencing needs to be added to the site to prevent burros and horses from accessing this water.

**Big Game Wildlife Species to Benefit:** Mule Deer

**Implementation Schedule (Month/Day/Year):**

Project Start Date:  
Winter 2014-Spring 2015

Project End Date:  
Winter 2014-Spring 2015

**Environmental Compliance:**

NEPA Completed: YES[X] No[] N/A[]  
 Projected Completion Date: BLM completed EA Dec 2013

State Historic Preservation Office - Archaeological Clearance:  
 YES[X] No[] N/A[]

Projected Completion Date: Completed by BLM- May 2013  
 Arizona Game and Fish Department EA Checklist:  
 To be Completed by: Richard Myers  
 Projected Completion Date: Winter 2014 - Spring 2015

**PROJECT FUNDING**

<b>Special Big Game License Tag Funds Requested:</b>	<b>\$ 24,838.80</b>
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<b>Cost Share or Matching Funds:</b>	<b>\$ 8,000</b>
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<b>Total Project Costs:</b>	<b>\$ 32,838.80</b>
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**PARTICIPANT INFORMATION**

<b>Applicant</b> (please print): Richard Myers	<b>Address:</b> 9140 E. 28 <sup>th</sup> Street Yuma, Arizona 85367	<b>E-mail:</b> rmyers@azgfd.gov
<b>Telephone:</b> 928-580-8074		<b>Date:</b> 8/11/2014

**AGFD Contact and Phone No.** (If applicant is not AGFD personnel):

**Project has been coordinated with:**  
Bureau of Land Management.

## **NEED STATEMENT – PROBLEM ANALYSIS:**

This catchment was originally constructed in May 1988. Until recently, the system functioned well and required little to no water hauling or maintenance to maintain water at this site. Water at this site was sufficiently maintained by natural precipitation events. Beginning in 2010, supplemental water has been added to the system at least once each year with 2013 being a recent exception. In 2011 and 2012, and 2014, three supplemental water hauls were made to the system. In 2011, it was discovered that the metal collection apron has a leak just above the ring tank causing only a portion of the rain water that lands on the apron to be collected. It was also noted that the ring tank has a leak somewhere above 20” reducing the storage capacity of the system. Additionally, the existing system is surrounded by a large barbed wire fence enclosure.

A new, buried system needs to be installed at this site to reestablish a reliable, maintenance free source of water. In addition, the barbed wire fence needs to be replaced with a pipe rail fence that is more wildlife friendly. The old system will initially remain on site as a backup source of water in the event the new system fails. Eventually, the old system will be removed from the site once the new system is proven effective and/or the old system fails completely. A new buried PVC system will reduce the amount of manpower hours and maintenance costs currently being incurred to maintain water availability.

This water development is located near the Castle Dome Mountains and is used by mule deer, nongame and small game. Additionally, bobcats and mountain lions have periodically been documented using this water. This area is open to deer hunting.

## **PROJECT OBJECTIVES:**

Maintain a reliable, low cost water source for deer and other wildlife. Reduce costs associated with frequent water hauling and maintenance for this system.

## **PROJECT DESCRIPTION AND STRATEGIES:**

The Arizona Game and Fish Department proposes the construction of a new, buried PVC system on site primarily within the existing footprint of the deteriorating water development. This would involve the construction of a new collection point in a small, unnamed drainage; the installation of a 6” PVC pipeline to direct water collected at the new collection point to 4-100ft rows of buried 24” PVC pipe where water would be stored; and the installation of a new walk in drinker. In addition, the existing barbed wire fence would be removed from the site and a new; wildlife friendly pipe rail fence would be installed on a 70 foot radius from the new drinker location. This fence would enclose a smaller area that is currently enclosed by the barbed wire fence. This system is expected to last for approximately 50 years.

## **PROJECT LOCATION:**

This water catchment (See Map 1: Project Area Map below) is located in Yuma, County, Arizona on BLM Land east of Highway 95 and the Yuma Proving Grounds (YPG) and west

of the Kofa National Wildlife Refuge along Los Angeles Wash on the Castle Dome Plain.  
(N 33° 02.141 W 114° 14.962 UTM 11S 756875mE 3658622mN)

**LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):**

This project is located on Bureau of Land Management lands. BLM lands are open to general hunting activities including deer hunting.

**HABITAT DESCRIPTION:** Sonoran Desert scrub

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

4- 100 foot runs of 2 foot PVC pipe (20-20 ft sections) and 8- caps- \$14,148.80  
3'd X 4'w Fiberglass Standard Walk-in drinker- \$3,000  
Plumbing (Pipe, Fittings, Misc)- \$3,000  
Wildlife Friendly Livestock Exclosure Fence- \$3,390  
Arizona Department of Water Rights Permit Application Fee and associated costs-\$1,300

Cost Share or Matching Funds

\$8,000 Volunteer labor  
Environmental and Archeological Clearance completed by Bureau of Land Management staff

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

Archeological surveys and environmental compliance were conducted by Bureau of Land Management staff.

Volunteer labor is expected from Sportsman organizations to complete this project.

**PROJECT MONITORING PLAN:**

This water development is monitored by the district wildlife manager throughout the year. The water is checked at a maximum 30 day interval between May and October and as needed throughout the winter months to prevent the system from going dry.

**PROJECT MAINTENANCE:**

This water development is maintained by the district wildlife manager and Region 4 water program as needed.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Richard Myers, Wildlife Manager III, FOR4

**WATER DEVELOPMENT PROJECTS** (*see attached worksheet*)

## **ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET**

**PROJECT NAME:** Repair of Development 967

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**

No.

- 2) **Please list the Development Branch personnel and date coordinated with for this project.**

Ed Jarke, 11/7/2013

- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**

☒2-4   ☐4-6   ☐6-8   ☐8-10   ☐10-12   ☐12-14   ☐14-16   ☐ >16

- 4) **Is there a perennial water source available to big game within four miles of this project?**

YES ☐ (please complete #5 below)   NO ☒ (skip #5 below)

- 5) **For the accessible, perennial water source nearest this project:**

Name of water source:

Type of water source (catchment, spring, dirt tank):

Ownership of water source:

Distance in miles from project:

- 6) **Is the target wildlife species a result of transplant efforts?** YES ☐   NO ☒

- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**

- 8) **Please provide the following information about access to the proposed site:**

Type of access (mark one):   ☐2x4 vehicles   ☒4x4 only   ☐foot only\*\*

\*\*If foot access only: Distance in miles: \_\_\_\_\_   Approximate hiking time: \_\_\_\_\_

-- Does access to this site require crossing private or tribal lands? YES[] NO[X]

-- Please describe any restrictions to public access:

Although the area is on Bureau of Land Management lands, the main access route requires entry and travel through portions of Yuma Proving Grounds. Prior military clearance is required to access this area. Hunters must view a safety presentation and obtain an access permit and clearance from YPG prior to taking wildlife in this area.

**9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

4-100 foot runs of 2' diameter PVC pipe (20-20 ft sections)- \$13,290

3'd x 4'w Fiberglass Standard Walk-in drinker- \$3,294

Plumbing (Pipe, Fittings, Misc)- \$3,000

Wildlife Friendly Livestock Exclosure Fence- \$3,390

Arizona Department of Water Rights Permit Application Fee and associated costs-\$1,300

Volunteer labor to complete project- \$8,000

**10) Was a site visit completed? Yes[X] No[]**

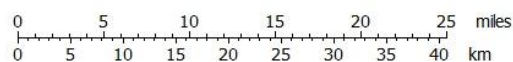
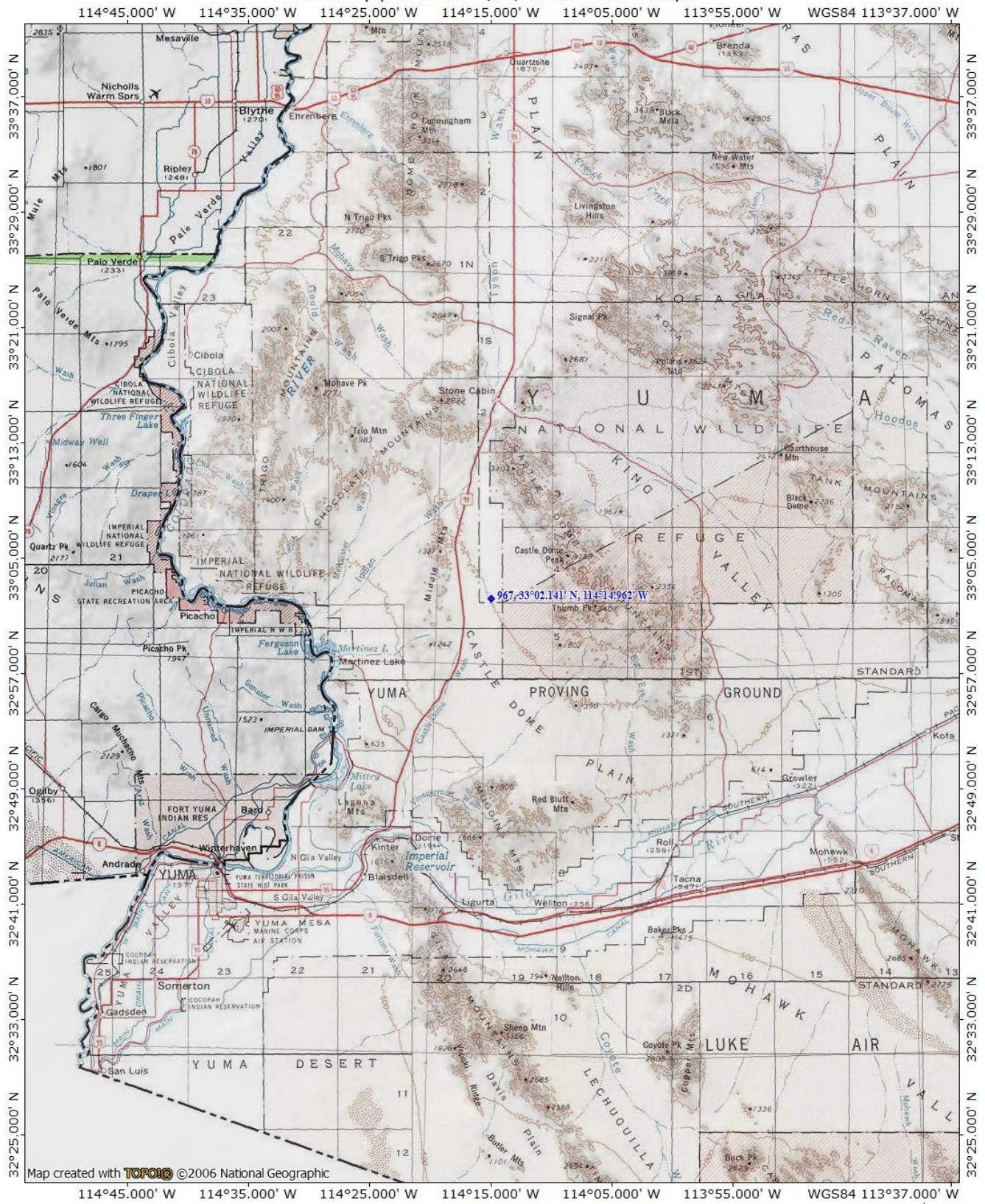
If Yes, please list personnel that attended and date.

John Hervert, Regional Wildlife Program Manager, Alicia Nemlowill; District Wildlife Manager, Richard Myers; District Wildlife Manager Michael Sumner; Wildlife Manager Supervisor- Multiple





TOPO! map printed on 11/08/13 from "Untitled.tpo"



TN MN  
12°  
11/08/13

North.

